

I Claim:

1. A digital signal transfer method, which comprises:

providing a first transfer channel and a second transfer channel;

transferring an announcement signal including at least one pulse via the first transfer channel;

transferring a data signal, via the second transfer channel, within a data signal time window lasting for a prescribed period after the announcement signal.

2. The signal transfer method according to claim 1, which further comprises configuring the data signal time window to start after a nonzero time period after the announcement signal.

3. The signal transfer method according to claim 1, which further comprises providing the first transfer channel with a first magnetic coupling element.

4. The signal transfer method according to claim 3, which further comprises providing the second transfer channel with a second magnetic coupling element.

5. The signal transfer method according to claim 1, which further comprises providing a further transfer channel for transferring control information.
6. The signal transfer method according to claim 5, which further comprises providing the control information with a parity check signal and/or a transfer stop signal.
7. The signal transfer method according to claim 1, which further comprises performing the step of transferring the data signal such that the data signal is transferred in coded form.
8. The signal transfer method according to claim 1, which further comprises transferring an input signal having a first signal level or a second signal level by transferring announcement signals at regular intervals of time and transferring respective pulse trains representing the first signal level or the second signal level during data signal time windows following the announcement signals.
9. The signal transfer method according to claim 1, which further comprises transferring an input signal having a first signal level or a second signal level by transferring announcement signals upon every level change in the input signal and transferring respective pulse trains representing

the first signal level or the second signal level during data signal time windows following the announcement signals.

10. The method according to claim 9, which further comprises additionally transferring announcement signals at regular intervals of time and transferring respective pulse trains representing the first signal level or the second signal level during data signal time windows following the announcement signals.

11. A digital signal transfer method, which comprises:

providing a transfer channel;

transferring an announcement signal including at least one pulse via the transfer channel; and

transferring a data signal via the transfer channel within a data signal time window lasting for a prescribed period after the announcement signal.